

AERO Design Ltd.  
2013 - 39<sup>th</sup> Ave. NE  
Calgary, AB, T2E 6R7

AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA  
TCCA 24-0078  
AMF # 73-04

Product: High Mounted Cargo Basket Assembly Part #: 60630-01

Approval #: SH00-48 Serial #: 60603-01

WO #: 2006-15 Quantity: 1

Eligibility: Bell 407 Work Status: Manufactured

Remarks: \_\_\_\_\_

*I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.*

Dec 15/06  
Date

Jeff Clarke  
Inspector's Signature

AERO Design Ltd.  
2013 - 39<sup>th</sup> Ave. NE  
Calgary, AB, T2E 6R7

AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA  
TCCA 24-0078  
AMF # 73-04

Product: Forward Mounting Beam Part #: 49222-01

Approval #: SH00-48 Serial #: --

WO #: 2006-15 Quantity: 1

Eligibility: Bell 206L Series / 407 Work Status: Manufactured

Remarks: \_\_\_\_\_

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Dec 15/06  
Date

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Inspector's Signature

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AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA  
TCCA 24-0078  
AMF # 73-04

Product: Aft Mounting Beam Part #: 49222-02

Approval #: SH00-48 Serial #: --

WO #: 2006-15 Quantity: 1

Eligibility: Bell 206L Series / 407 Work Status: Manufactured

Remarks: \_\_\_\_\_

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AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA  
TCCA 24-0078  
AMF # 73-04

Product: Mounting Plate Part #: 60646-01  
Approval #: SH00-48 Serial #: --  
WO #: 2006-15 Quantity: 4  
Eligibility: Bell 407 Work Status: Manufactured  
Remarks: \_\_\_\_\_

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AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA  
TCCA 24-0078  
AMF # 73-04

Product: Handle Assembly Part #: 36261-01  
Approval #: SH00-48 Serial #: --  
WO #: 2006-15 Quantity: 1  
Eligibility: High Mounted Cargo Basket 60630-01 Work Status: Manufactured  
Remarks: \_\_\_\_\_

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Dec 15/06  
Date

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Inspector's Signature

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AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA  
TCCA 24-0078  
AMF # 73-04

Product: Lid Brace Part #: 36280-01  
Approval #: SH00-48 Serial #: --  
WO #: 2006-15 Quantity: 1  
Eligibility: Bell 206L/407 Cargo Baskets Work Status: Manufactured  
Remarks: \_\_\_\_\_

*I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.*

Dec 15/06  
Date

Jeff Clarke  
Inspector's Signature

WORK ORDER 2006-15

Date opened: 8 December, 2006

Project: High Mounted Cargo Basket  
Type: Bell 407

Batch Quantity: 1 Basket, 1 Forward Beam, 1 Aft Beam

Approval: SH00-48  
Drawing List: DCL606-1, ~~DCL402-1~~

Fabrication and Assembly Drawing(s)	Description
49222, Revision 1 ✓	Steel Beams
60630, Revision 0 ✓	Cargo Basket Assembly
60631, Revision 0 ✓	Cargo Basket Body
60632, Revision 0 ✓	Cargo Basket Lid
36255, Revision 1 ✓	Handle Installation
36261, Revision 1 ✓	Handle Bar Ass'y
36262, Revision 1 ✓	Handle Bracket Ass'y
60603, Revision 0 ✓	Cargo Basket Installation

Complete material tracking information on attached pages.

## Work Order pre-completion Inspection:

Project is on Approval Limitation Record:	<u>Y ✓</u>
Document Control List revision level matches (or exceeds) STC:	<u>Y ✓</u>
Drawings revision levels match Document Control List:	<u>Y ✓</u>
Purchase order or Work order source is recorded for each part/ass'y:	<u>Y ✓</u>
Tests and inspections specifically called out on drawings are complete:	<u>Y ✓</u>
Release tags associated with all fabricated parts are attached:	<u>Y ✓</u>
All mounting hardware and supplies are included:	<u>Y ✓</u>

List all non-conformities raised: \_\_\_\_\_

Inspector Signature: Jeff ClarkeDate: Dec. 15/06

Drawing: 49222, Revision 1  
 Assembly: 49222-01 Forward Beam, 49222-02 Aft Beam

Qty	Part #	Description	Material	P.O./W.O.	Checked
* 1	49222-01	Forward Beam Assembly			
1	49222-03	Tube	CSA G40.21 50W, 1x2x0.125 tube	6055	
3	49222-07	Bushing	1018 Mild Steel, 5/8" Rod	951108	
2	49222-08	Bushing	1018 Mild Steel, 5/8" Rod	951108	
1	49222-09	Strap	4130 Steel, 1/8" Sheet	6031	
2	49222-10	Cap	1018 Mild Steel, 22 Ga. sheet	9516042	
* THIS BEAM TAKEN FROM W/O 2006-10					
1	49222-02	Aft Beam Assembly			
1	49222-04	Tube	CSA G40.21 50W, 1x2x0.125 tube	6055	
1	49222-05	Tube	CSA G40.21 50W, 1x2x0.125 tube	6055	
1	49222-06	Tube	CSA G40.21 50W, 1x2x0.125 tube	6055	
3	49222-07	Bushing	1018 Mild Steel, 5/8" Rod	951108	
2	49222-08	Bushing	1018 Mild Steel, 5/8" Rod	951108	
1	49222-09	Strap	4130 Steel, 1/8" Sheet	6031	
2	49222-10	Cap	1018 Mild Steel, 22 Ga. sheet	9516042	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS2685C	ER70S-2 Rod		<i>David [unclear]</i>
Powder Coat	Drawing			<i>Jeff Clarke.</i>
Final Inspection	Drawing			<i>Jeff Clarke.</i>

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 60630, Revision 0  
Assembly: 60630-01 High Cargo Basket Assembly

Qty	Part #	Description	Material	P.O./W.O.	Checked
1	60630-01	Cargo Basket Assembly			
1	60631-01	Basket Body Assembly	Below		
1	60632-01	Basket Lid Assembly	Below		
1	36255-01	Handle Bar Installation	Below		
1	36280-01	Brace Assembly	9-2081 Brace	5034	
1	MS20001P4	Piano Hinge		6067	
1	60645-01	Placard	3M Scotchcal Vinyl	6036	
3	49205-14	Bumper	Argus Industries Bumper	6038	
50	CR3213-4-02	Cherry Rivet		6035	
1	AN3-15A	Bolt		6016	
1	AN3-17A	Bolt		6066	
4	AN960-10	Washer		6043	
2	AN970-3	Washer		5026	
2	MS21044N3	Nut		6016	

Processes	Per	Mat'ls Used	Inspection	Signature
Final Inspection	Drawing			<i>Jeff Clarke</i>

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 60631 Revision 0  
 Assembly: 60631-01 High Cargo Basket Body Ass'y

Qty	Part #	Description	Material	P.O.W.O.	Checked
1	60631-01	Basket Body Assembly			
1	60641-01	End Hoop	4130 Steel, 1/2" x 0.035 Sqr. Tube	6026	
2	60644-01	Lug	1018 Mild Steel, 5/8" Rod	951108	
1	60642-01	Attachment Hoop	4130 Steel, 1/2" x 0.035 Sqr. Tube	6026	
2	69823-02	Lug	1018 Mild Steel, 5/8" Rod	951108	
4	60648-01	Hoop	4130 Steel, 1/2" x 0.035 Sqr. Tube	6026	
2	60640-01	Rim	4130 Steel, 3/4" x 0.035 Sqr. Tube	6026	
2	49212-01	Rim	4130 Steel, 3/4" x 0.035 Sqr. Tube	6026	
5	60643-01	Spine	4130 Steel, 1/2" x 0.035 Sqr. Tube	6026	
1	36262-01	Handle Bracket Assembly	Below		
1	49215-01	Spacer	1018 Steel, 1/2" Rod	951108	
A/R	3/4-16F	Mesh	Expanded carbon steel	6007	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		<i>David King</i>
Powder Coat	Drawing 60631			<i>Jeff Clarke</i>
Final Inspection	Drawing 60631			<i>Jeff Clarke</i>

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 60632 Revision 0  
 Assembly: 60632-01 High Basket Lid Ass'y

Qty	Part #	Description	Material	P.O./W.O.	Checked
1	60632-01	Basket Lid Assembly			
2	60640-01	Rim	4130 Steel, 3/4" x 0.035 Sqr. Tube	6026	
2	49212-01	Rim	4130 Steel, 3/4" x 0.035 Sqr. Tube	6026	
3	49213-01	Lid Brace	4130 Steel, 3/4" x 0.035 Sqr. Tube	6026	
1	49216-01	Spacer	1018 Steel, 1/2" Rod	951108	
1	36262-01	Upper Handle Bracket Assembly	Below		
1	36204-10	Placard Bracket	1018 Steel, 0.035" Sheet	9516042	
A/R	3/4-16F	Mesh	Expanded carbon steel	6007	
6	60649-01	Step Brace	4130 Steel, 3/4" x 0.035 Sqr. Tube	6026	
1	60632-10	Tread Plate	3003 Aluminum Tread Plate, 0.063	6005	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		<i>David</i>
Powder Coat	Drawing 60632			<i>Jeff Clarke</i>
Final Inspection	Drawing 60632			<i>Jeff Clarke</i>

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 36255 Revision 1  
Assembly: 36255-01 Handle Installation

Qty	Part #	Description	Material	P.O./W.O.	Checked
1	36255-01	Handle Installation			
1	36261-01	Handle Bar Assembly	Below		
2	36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	5028	
2	36275-01	Bushing	SAE 660 Bronze, 5/16" Dia	6068	
2	AN3-14A	Bolt		6071	
4	AN960-10	Washer		6043	
2	MS21044N3	Nut		6016	

Processes	Per	Mat'ls Used	Inspection	Signature
Final Inspection	Drawing 36255			Jeff Clark.


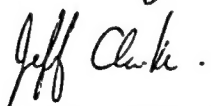
Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.



Drawing: 36261 Revision 1  
Assembly: 36261-01 Handle Bar Assembly

Qty	Part #	Description	Material	P.O./W.O.	Checked
1	36261-01	Handle Bar Assembly			
1	36277-01	Handle Bar	316 Stainless, 1.0 x 0.035 Rnd. Tube	6006	
2	36271-01	Lever	304 Stainless, 0.100 Sheet	950702	
2	36274-01	Bushing	304 Stainless, 7/16" x 0.065 Rnd. Tube	2005	
2	36276-01	Hook	6061-T6 Aluminum, 5/16" Dia. Rod.	2009	
2	MS20470AD4-8	Rivet		6070	

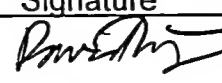

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod AMS ER70S-2		
Final Inspection	Drawing 36261			

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 36262 Revision 1  
Assembly: 36262-01 Handle Bracket Assembly

Qty	Part #	Description	Material	P.O./W.O.	Checked
1	36261-01	Handle Bracket Assembly			
1	36272-01	Basket Bracket	4130 Steel, 0.050 Sheet	2019	
2	36273-01	Lid Bracket	4130 Steel, 0.050 Sheet	2019	
2	36275-02	Support	304 Stainless, 5/16" Rod	6003	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		
Final Inspection	Drawing 36262			

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 60603 Revision 0  
Assembly: 60603-01 Cargo Basket Installation


Qty	Part #	Description	Material	P.O.W.O.	Checked
1	60603-01	Cargo Basket Installation			
1	60630-01	Cargo Basket Assembly	Above		
1	49222-01	Forward Beam	Above		
1	49222-02	Aft Beam	Above		
4	60646-01	Mounting Plate	6061-T6 Aluminum, 1/8" Sheet	5030/5031	
2	60647-01	Bushing	Brass	5051	
4	AN6-20A	Bolt		2014	
4	AN960-616	Washer		6016	
4	AN4-16A	Bolt		5039	
8	AN960-416	Washer		6016	
4	MS21044N4	Nut		6016	
4	AN3-15A	Bolt		6016	
8	AN960-10	Washer		6043	
4	MS21044N3	Nut		6016	

Processes	Per	Mat'ls Used	Inspection	Signature
Final Inspection	Drawing 60603	(PARTS ONLY)		<i>J. Clerk</i>


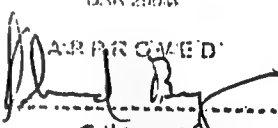
Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

# DOCUMENT CONTROL LIST

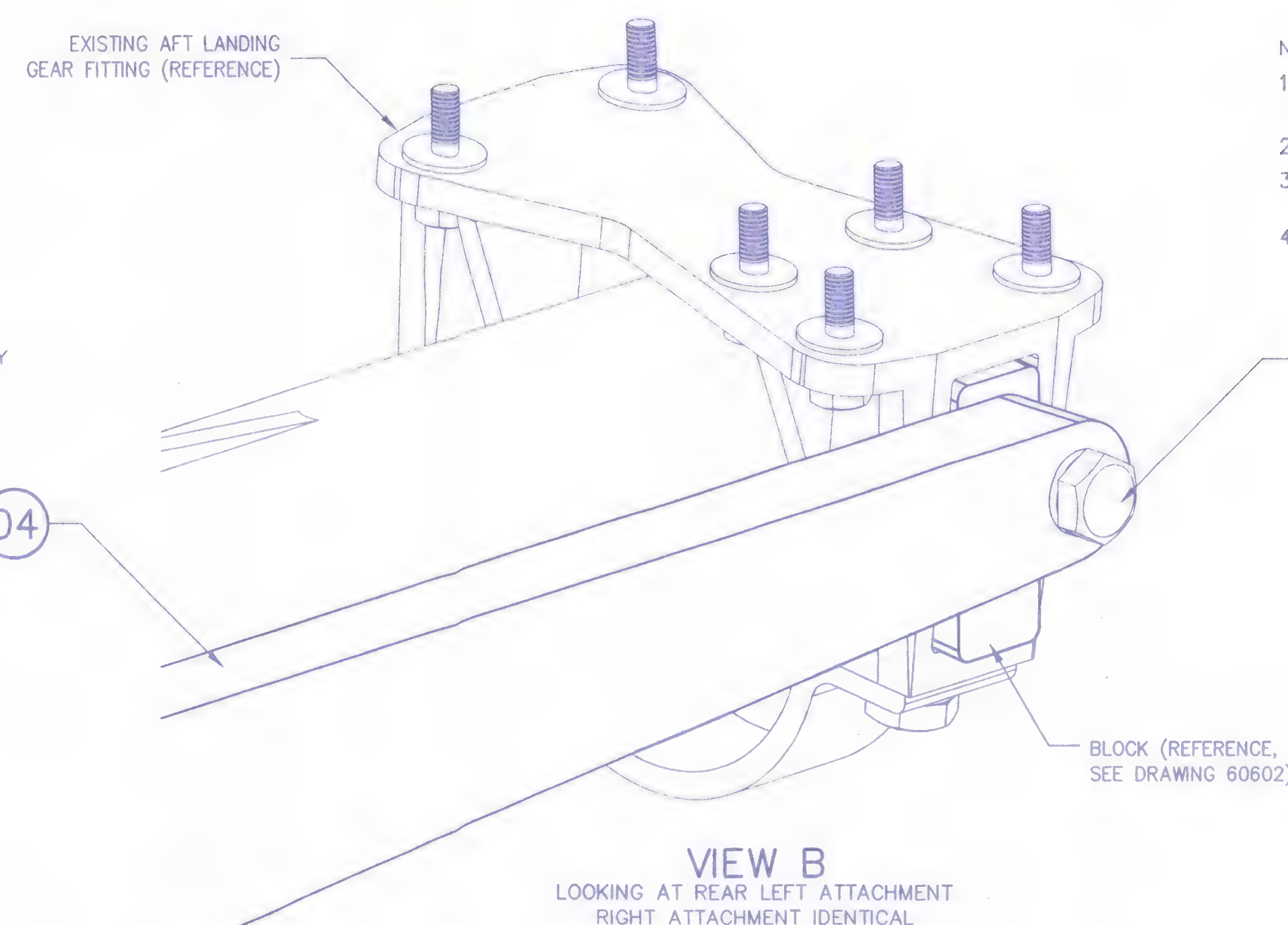
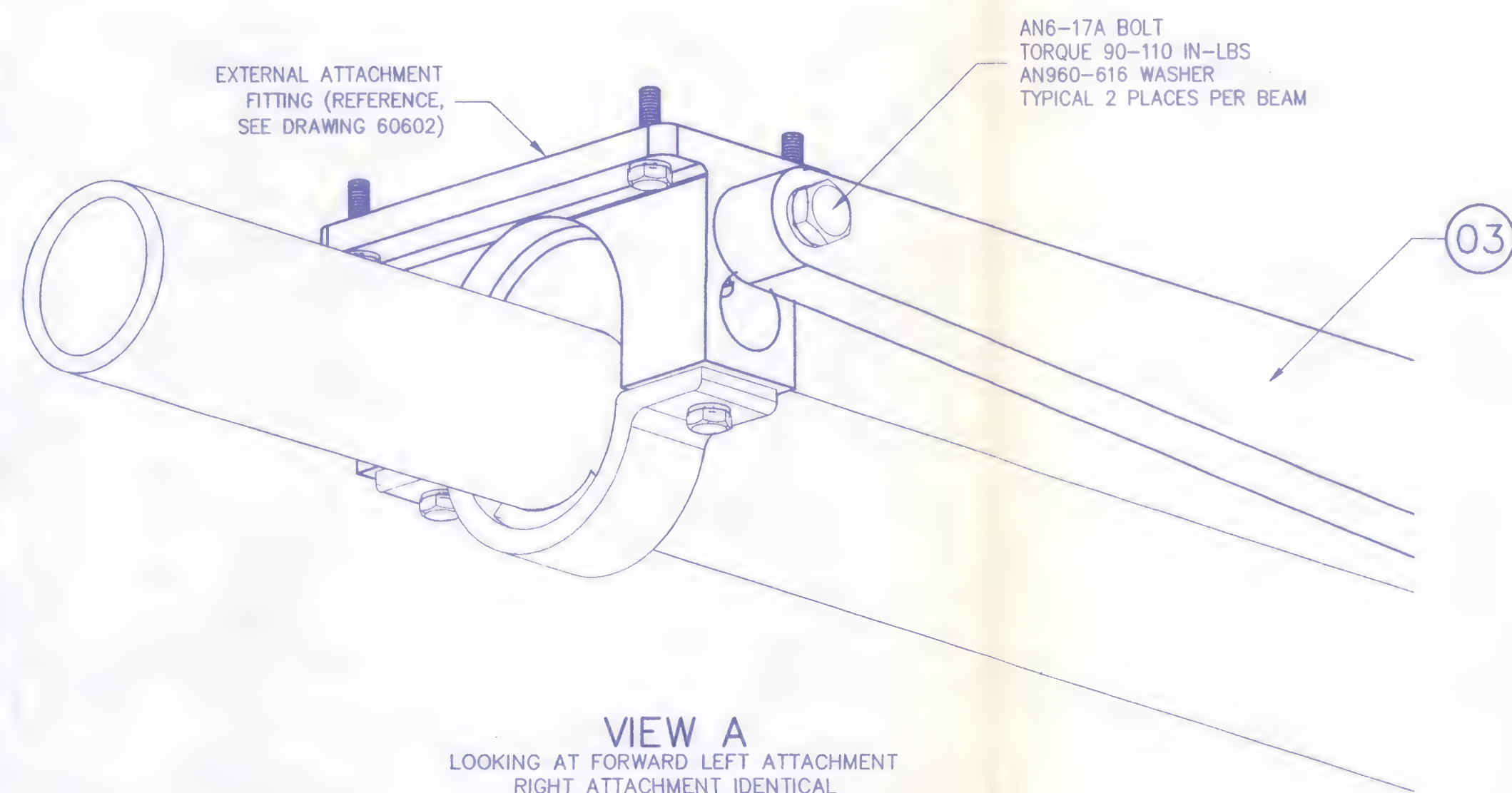
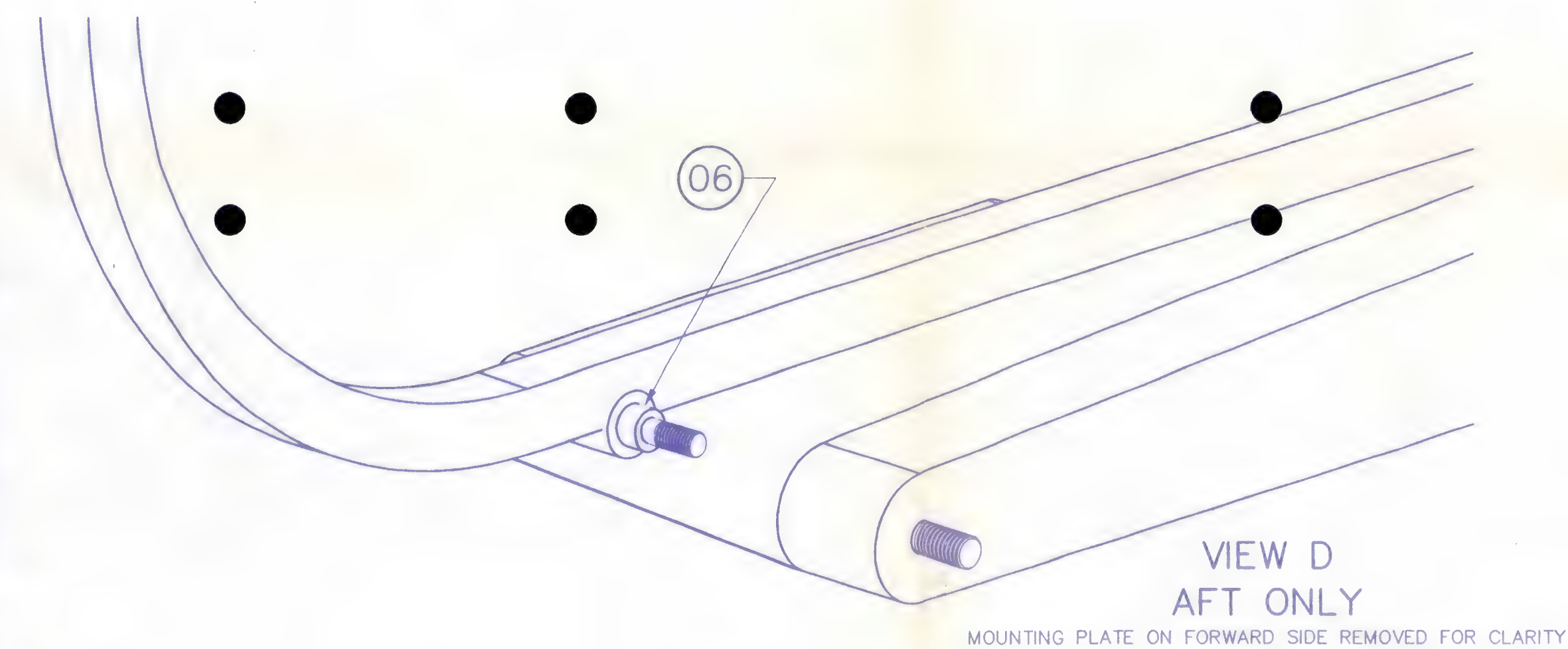
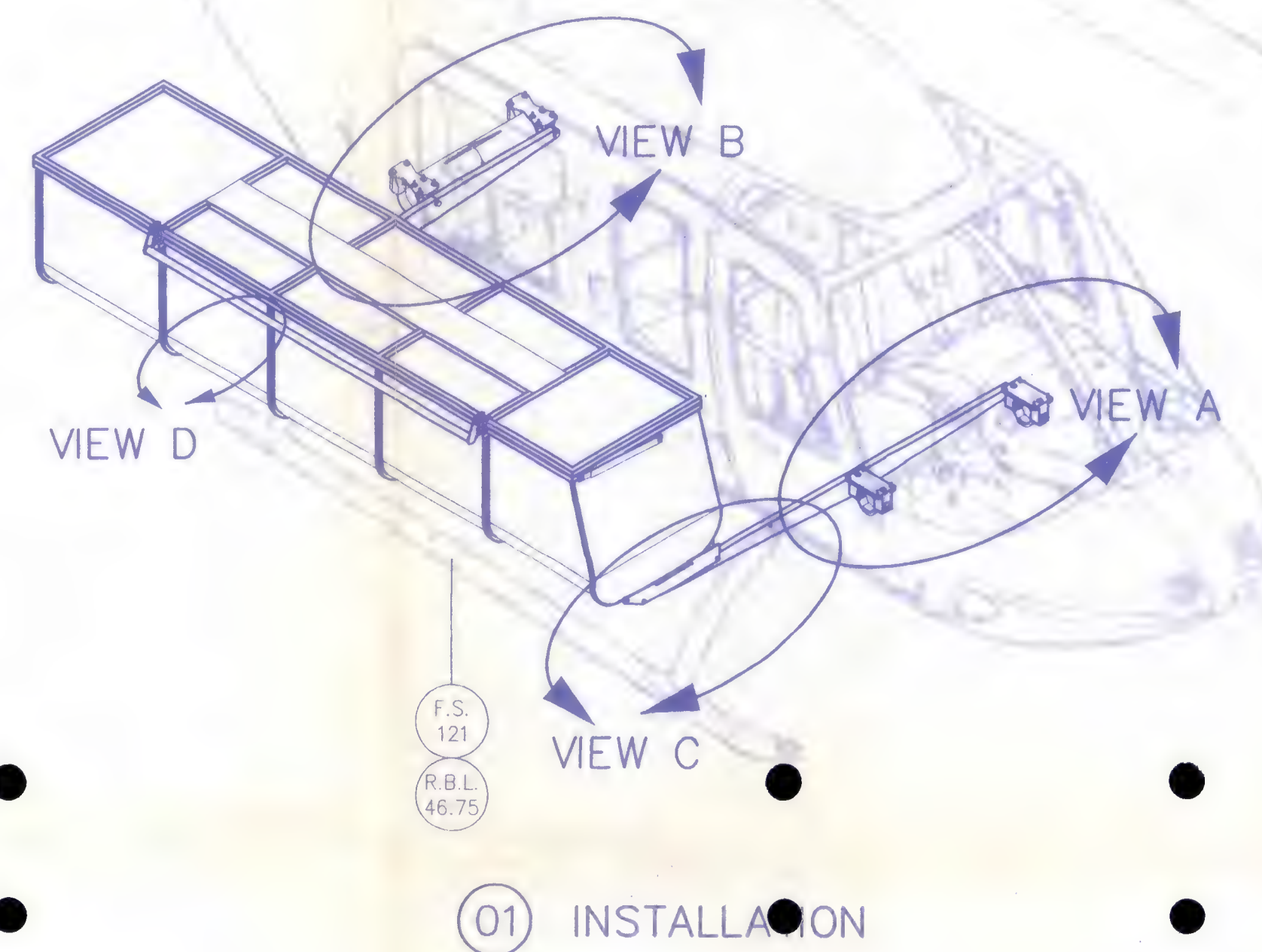
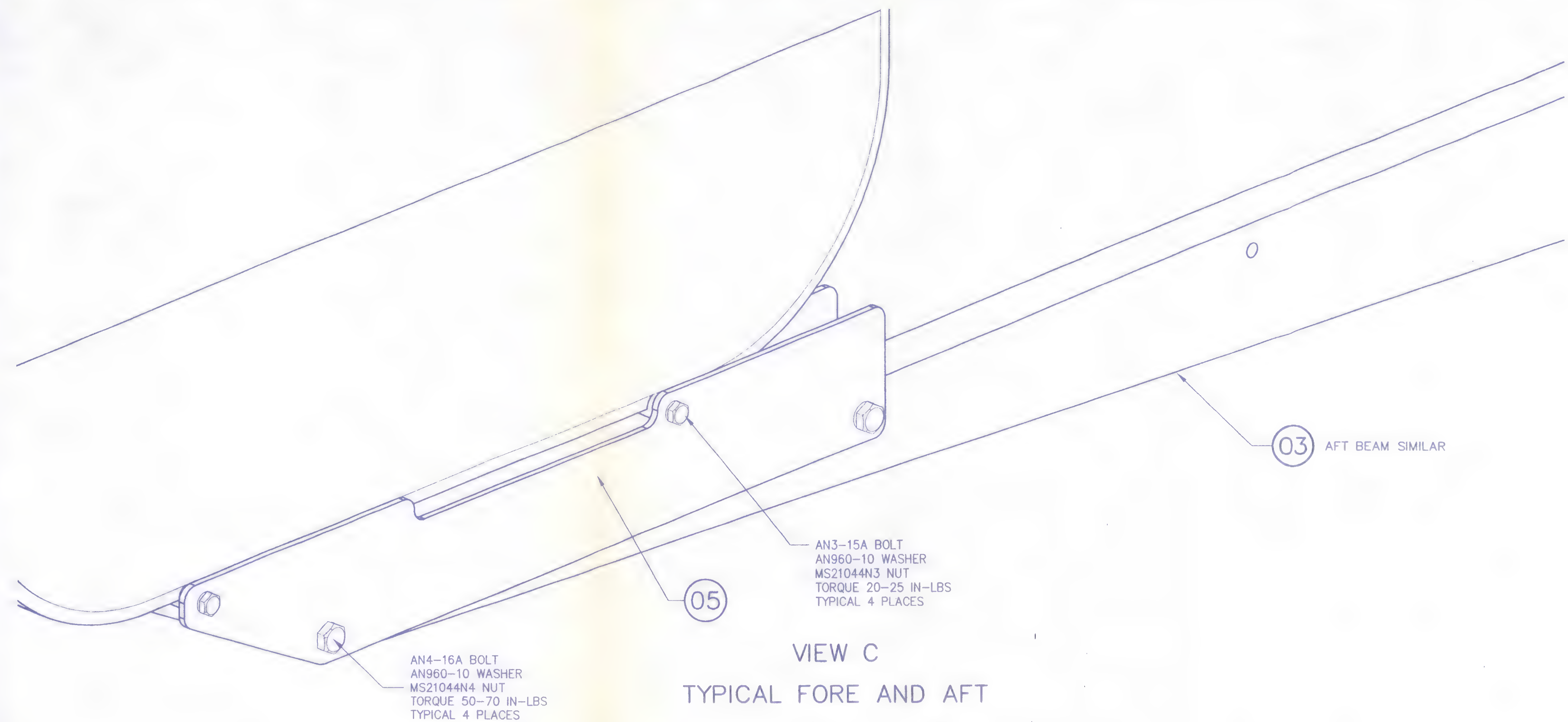
DOCUMENT NO.	DOCUMENT CONTENT	REVISION
<b>INSTALLATION DOCUMENTS</b>		
60603	Cargo Basket Installation	0
60602	External Attachment Provisions Installation (Bell 407)	0
FMS606.01	Flight Manual Supplement	1
MI606.01	Maintenance Instructions	2
<b>FABRICATION DOCUMENTS</b>		
60620	Block Fabrication	0
60621	Forward Fitting Fabrication	0
60622	Barrel Nut Fabrication	0
60624	Barrel Nut Fabrication	0
60630	Cargo Basket Assembly	0
60631	Cargo Basket Body	0
60632	Cargo Basket Lid	0
60640	Basket Components – Rim	0
60641	Basket Components – End Hoop Assembly	0
60642	Basket Components – Attachment Hoop Assembly	0
60643	Basket Components – Spine	0
60644	Basket Components – Lug	0
60646	Basket Components – Mounting Plate	0
60647	Basket Components – Bushing	0
60648	Basket Components – Hoop	0
60649	Basket Components – Step Brace	0
49212	Basket Components – Rim	0
49213	Basket Components – Lid Brace	1
49215	Basket Components – Lug	0
49216	Basket Components – Lug	0
49218	Placard	1
49221	Support Beams	2
49222	Support Beams (Steel)	1
<b>APPROVAL:</b>		
 <p>Transport Canada E. BURGOIN DAN 290M</p> <p>APPROVED</p> <p>by <i>[Signature]</i></p> <p>App'l No. <u>SH00-48</u></p> <p>App'l Date <u>8 DECEMBER 2000</u></p> <p>Issue No. <u>5</u></p> <p>Issue Date <u>9 JUNE 2006</u></p> <p>THIS DCL APPROVED 13 DECEMBER 2006</p>	<p>ORIGINAL DATE: 01 February, 2005</p> <p>REVISION DATE: 13 December, 2006</p>	<p><b>AERO DESIGN LTD.</b> 2013 – 39<sup>th</sup> Ave NE Calgary, Alberta T2E 6R7 Ph. (403) 250-8027 Fax. (403) 250-8333</p>
	SHEET 1 OF 2	<p><b>Bell 407</b> <b>High Side-Mounted Cargo Basket</b> <b>Installation</b></p>
	<p style="font-size: 2em; font-weight: bold; text-align: center;">DCL606-1</p>	
		<p>Rev. <span style="font-size: 2em; font-weight: bold;">1</span></p>

# DOCUMENT CONTROL LIST

DOCUMENT NO.	DOCUMENT CONTENT	REVISION
<b>FABRICATION DOCUMENTS</b>		
	(CONTINUED)	
36255	Handle Assembly	1
36261	Handle Bar Assembly	1
36262	Handle Bracket Assembly	1
36271	Handle Lever	0
36272	Basket Bracket	0
36273	Lid Bracket	0
36274	Bushing	0
36275	Bushing	1
36276	Spring Hook	0
36277	Handle Bar	0
36278	Spring	1
36280, Sheet 1	Brace	2
36280, Sheet 2	Brace	2
<b>ENGINEERING DOCUMENTS</b>		
ER606.01	Engineering Report – Basket Installation	0
ER606.02	Engineering Report – Load Test	0
ER606.03	Engineering Report – High Mounted Basket	0
TR606.04	Test Report – Beam Load Test	0
TR606.05	Test Report – Basket Assembly Load Test	0
ER492.01	Engineering Report – Basket Installation	0
ER492.02	Engineering Report – Basket Load Tests	0
ER493.01	Engineering Report – External Attachment Prov.	1
ER493.03	Test Report – Load Test External Attachment Prov.	0
ER362.02	Test Report – Basket Assembly Load Test	2
ER492.03	Engineering Report – Steel Beams	0
<b>APPROVAL:</b>		
 <p style="text-align: center;">Transport Canada</p> <p style="text-align: center;">E. BURGON</p> <p style="text-align: center;">1215 210W</p> <p style="text-align: center;">AIR PASSENGER</p> <p>By </p> <p>App'l No. <u>SH00-48</u></p> <p>App'l Date <u>8 DECEMBER 2000</u></p> <p>Issue No. <u>5</u></p> <p>Issue Date <u>9 JUNE 2006</u></p> <p><b>THIS DCL APPROVED</b></p> <p><b>13 DECEMBER 2006</b></p>	<b>ORIGINAL DATE:</b> 01 February, 2005  <b>REVISION DATE:</b> 13 December, 2006	<b>AERO DESIGN LTD.</b> 2013 – 39 <sup>th</sup> Ave NE Calgary, Alberta T2E 6R7 Ph. (403) 250-8027 Fax. (403) 250-8333
	<b>SHEET 2 OF 2</b>	<b>Bell 407</b> <b>High Side-Mounted Cargo Basket</b> <b>Installation</b>
	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 2em; font-weight: bold;">DCL606-1</div> <div style="text-align: right;">           Rev.   <div style="font-size: 3em; font-weight: bold;">1</div> </div> </div>	



NOTICE			
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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	CREATED FROM 60601	BJC	18 AUG 2004



- NOTES:
- EXTERNAL ATTACHMENT PROVISIONS INSTALLATION IS MANDATORY PREREQUISITE FOR THIS INSTALLATION. SEE DRAWING 60602 FOR BELL 407 EXTERNAL ATTACHMENT PROVISIONS INSTALLATION.
  - HIGH SKID GEAR INSTALLATION IS MANDATORY PREREQUISITE FOR THIS INSTALLATION.
  - APPROVED PUSH-OUT WINDOW OR SLIDING DOOR ON BASKET SIDE OF THE HELICOPTER IS MANDATORY PREREQUISITE FOR THIS INSTALLATION.
  - SEE FLIGHT MANUAL SUPPLEMENT, FMS606.01, FOR LIMITATIONS ON HELICOPTER OPERATIONS WITH CARGO BASKET INSTALLED.

AN6-17A BOLT  
TORQUE 90-110 IN-LBS  
AN960-616 WASHER  
TYPICAL 2 PLACES PER BEAM

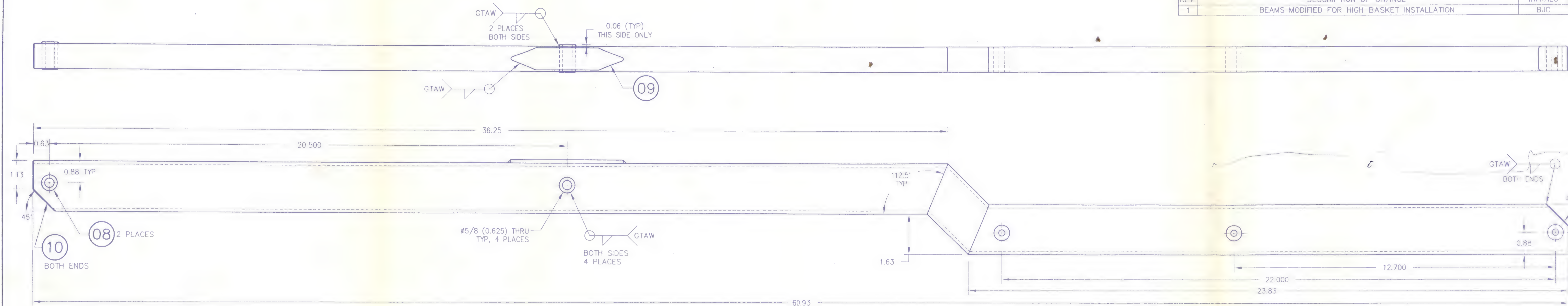
QTY.	PART NO.	ITEM	DESCRIPTION	MATERIAL
4	MS21044N3	NUT		
8	AN960-10	WASHER		
4	AN3-15A	BOLT		
4	MS21044N4	NUT		
8	AN960-416	WASHER		
4	AN4-16A	BOLT		
4	AN960-616	WASHER		
4	AN6-17A	BOLT		
2	60647-01	06	BUSHING	
4	60646-01	05	MOUNTING PLATE	
1	49221-02	04	AFT BEAM	
1	49221-01	03	FORWARD BEAM	
1	60630-01	02	CARGO BASKET ASSEMBLY	
1	60603-01	01	INSTALLATION	
QTY.	PART NO.	ITEM	DESCRIPTION	MATERIAL

WEIGHT AND BALANCE					
ITEM	DESCRIPTION	WEIGHT (LB)	LONGITUDINAL ARM (IN)	MOMENT (LB-IN)	LATERAL ARM (IN)
01	CARGO BASKET INSTALLATION	86.5	121.0	10468.7	37.7
	CARGO*	200 MAX	124.8	24960	46.75
* ARMS AND MOMENTS SHOWN ARE FOR CENTRE OF BASKET. ACTUAL WEIGHT AND BALANCE FOR CARGO TO BE DETERMINED BY THE PILOT.					

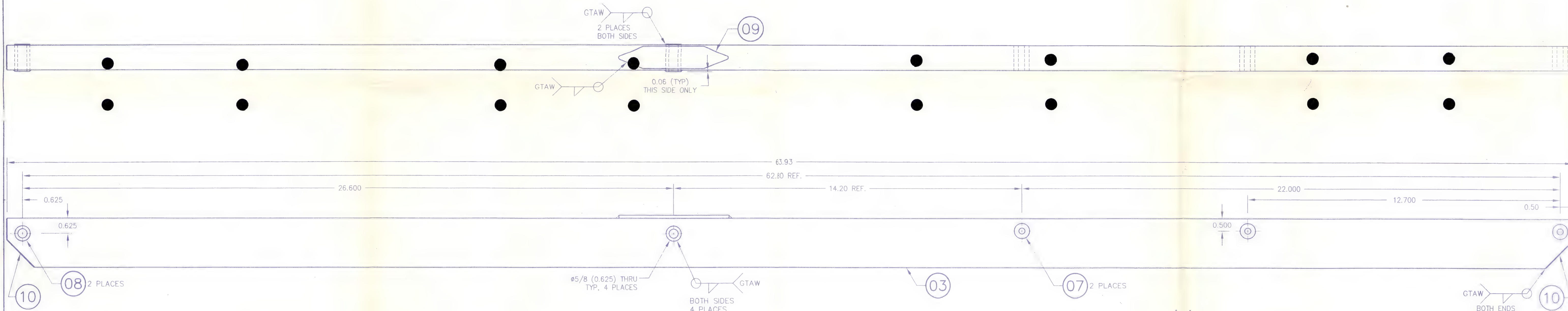
APPROVALS		DATE	AERO DESIGN LTD.			
DRAWN: JEFF CLARKE		18 AUG 2004	CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M			
CHECKED: E. BURGOIN			2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@telusplanet.net			
DECIMALS X.XXX ±0.010			BELL 407			
X.XX ±0.03			HIGH SIDE MOUNTED CARGO BASKET			
X.X ±0.1			INSTALLATION			
ANGLES ±1/2°						
NOT TO SCALE			DWG. SIZE	DWG. NO.	REV.	
SHEET 1 OF 1			A1	60603	0	



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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
1	BEAMS MODIFIED FOR HIGH BASKET INSTALLATION	BJC	DEC 8/06



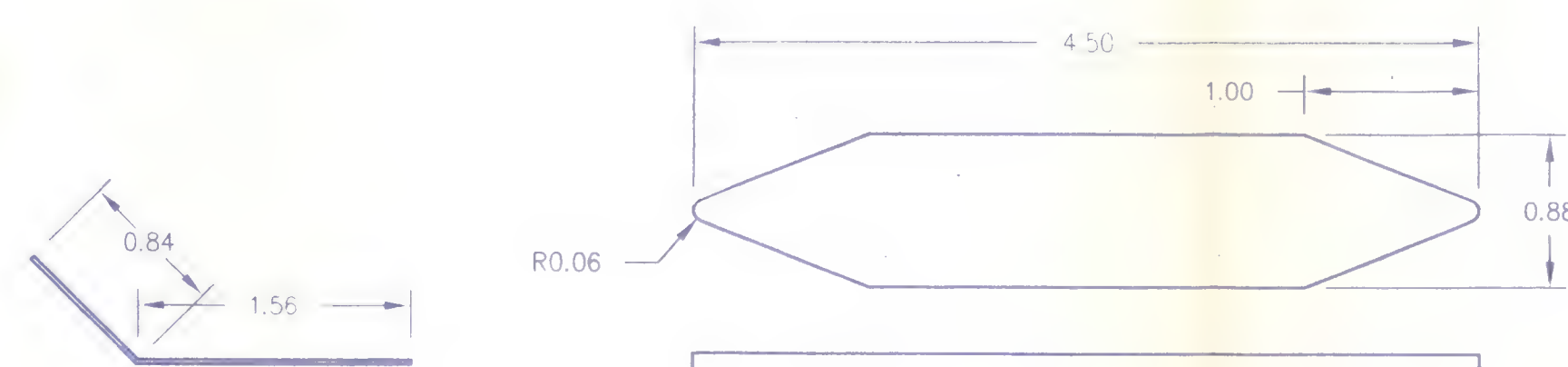
02 AFT BEAM ASSEMBLY



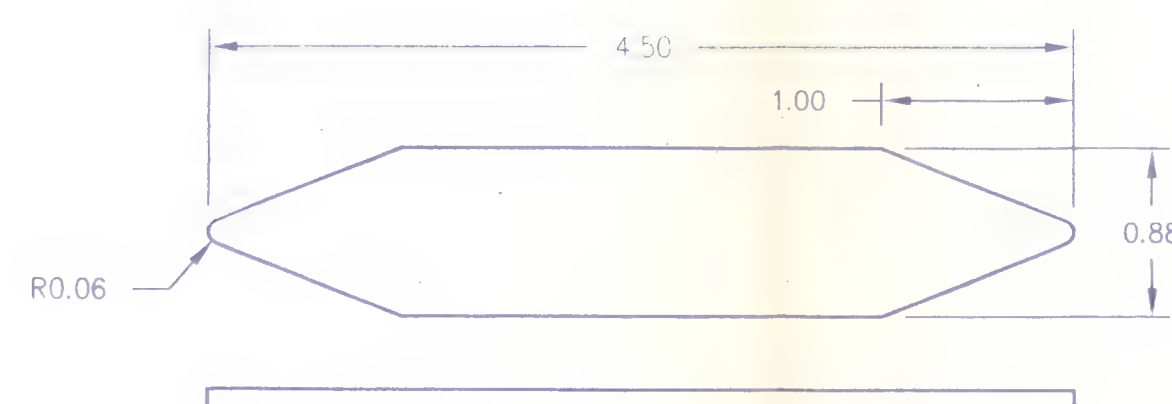
01 FORWARD BEAM ASSEMBLY

#### NOTES

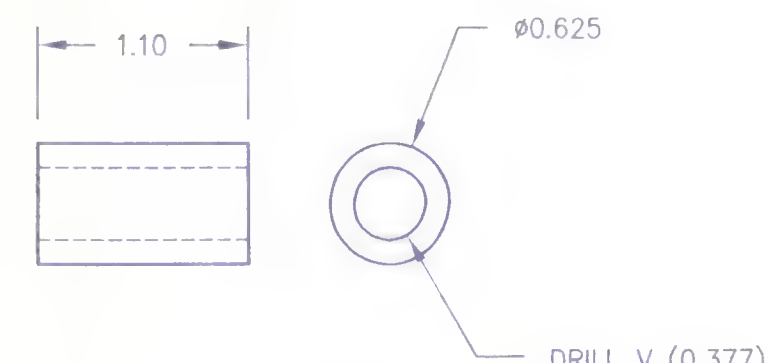
1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. WELDING OF STEEL TO BE COMPLETED BY GTAW METHOD TO AMS2685C. WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT FOR 4130/HSS STEEL.
3. ALL STEEL PARTS TO BE THOROUGHLY DEGREASED AND POWDER COATED PRIOR TO INSTALLATION.



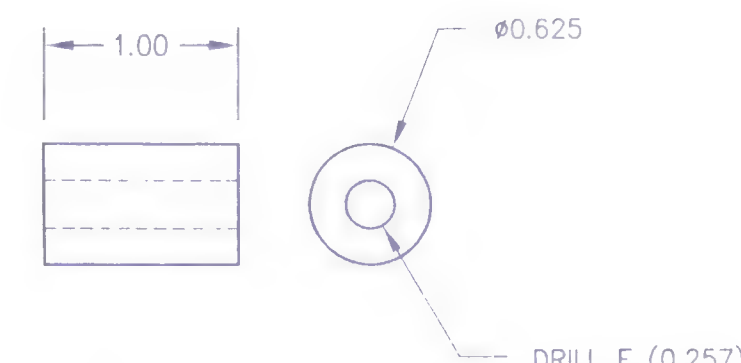
10 CAP  
SCALE 1 : 1



09 STRAP  
SCALE 1 : 1



08 BUSHING  
SCALE 1 : 1



07 BUSHING  
SCALE 1 : 1

QTY	QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
2	2	49222-10	10	CAP	MILD STEEL	AISI 1010/1020	22 GAUGE
1	1	49222-09	09	STRAP	4130 STEEL COND. N	MIL-S-18729	0.125 SHEET
2	2	49222-08	08	BUSHING	MILD STEEL	AISI 1010/1020	Ø0.625 ROD
2	2	49222-07	07	BUSHING	MILD STEEL	AISI 1010/1020	Ø0.625 ROD
1	1	49222-06	06	TUBE	HSS STEEL - TYPE W	CSA G40.21	1 X 2 X 0.125 TUBE
1	1	49222-05	05	TUBE	HSS STEEL - TYPE W	CSA G40.21	1 X 2 X 0.125 TUBE
1	1	49222-04	04	TUBE	HSS STEEL - TYPE W	CSA G40.21	1 X 2 X 0.125 TUBE
1	1	49222-03	03	TUBE	HSS STEEL - TYPE W	CSA G40.21	1 X 2 X 0.125 TUBE
1	1	49222-02	02	AFT BEAM ASSEMBLY			
1	1	49222-01	01	FORWARD BEAM ASSEMBLY			

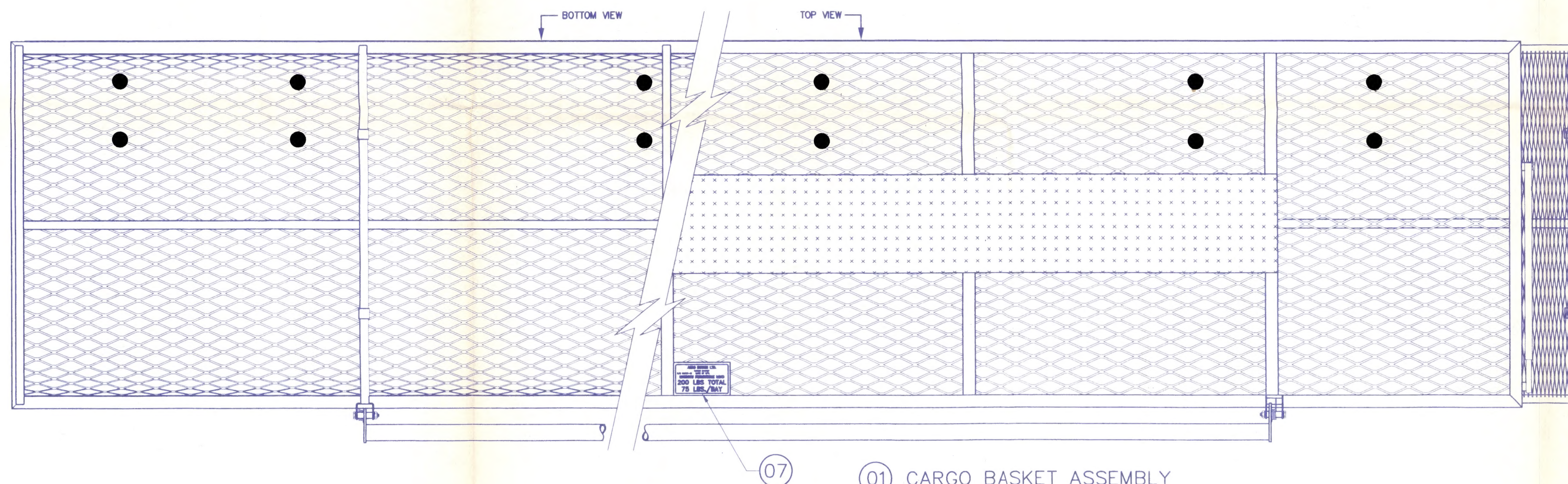
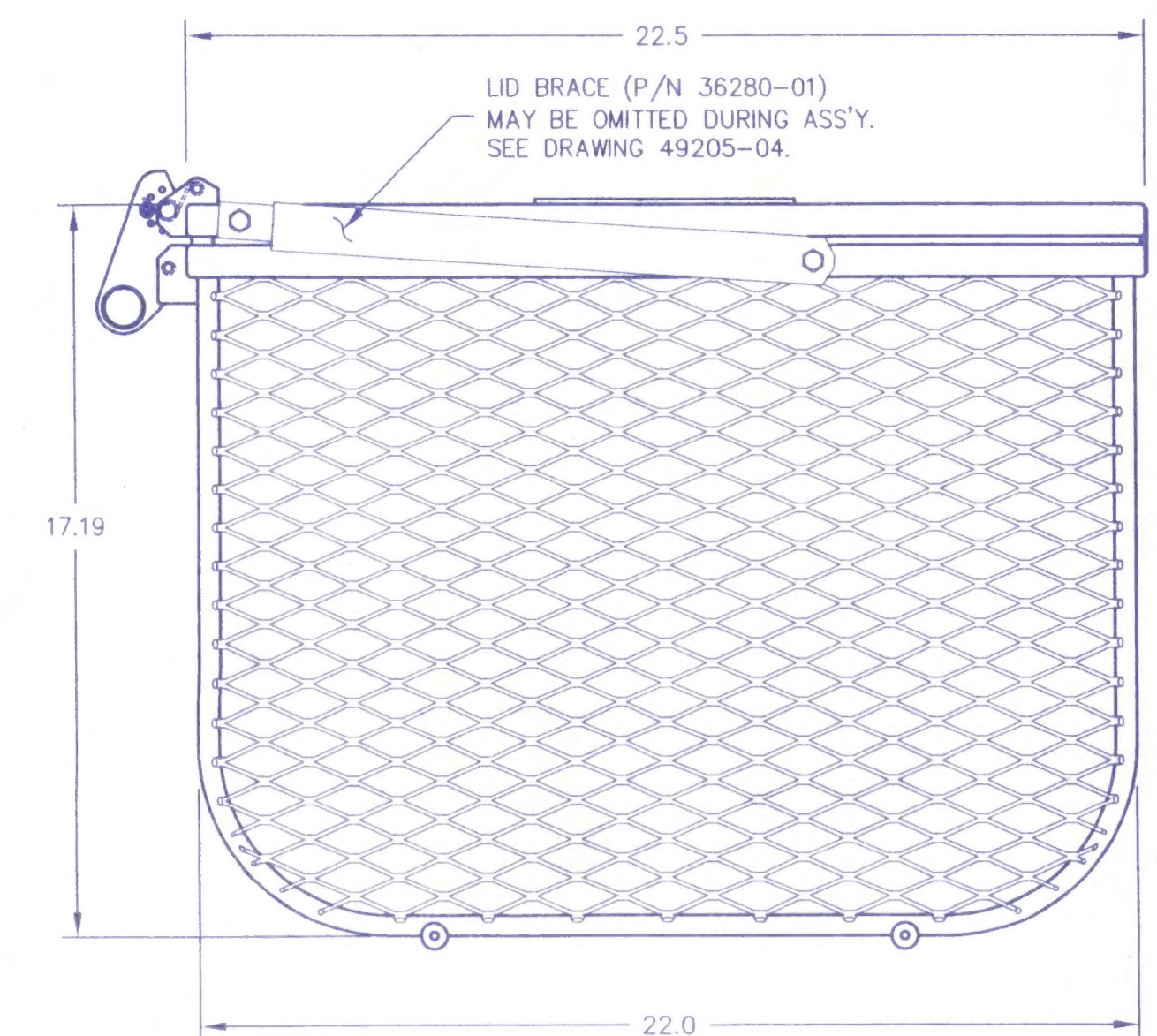
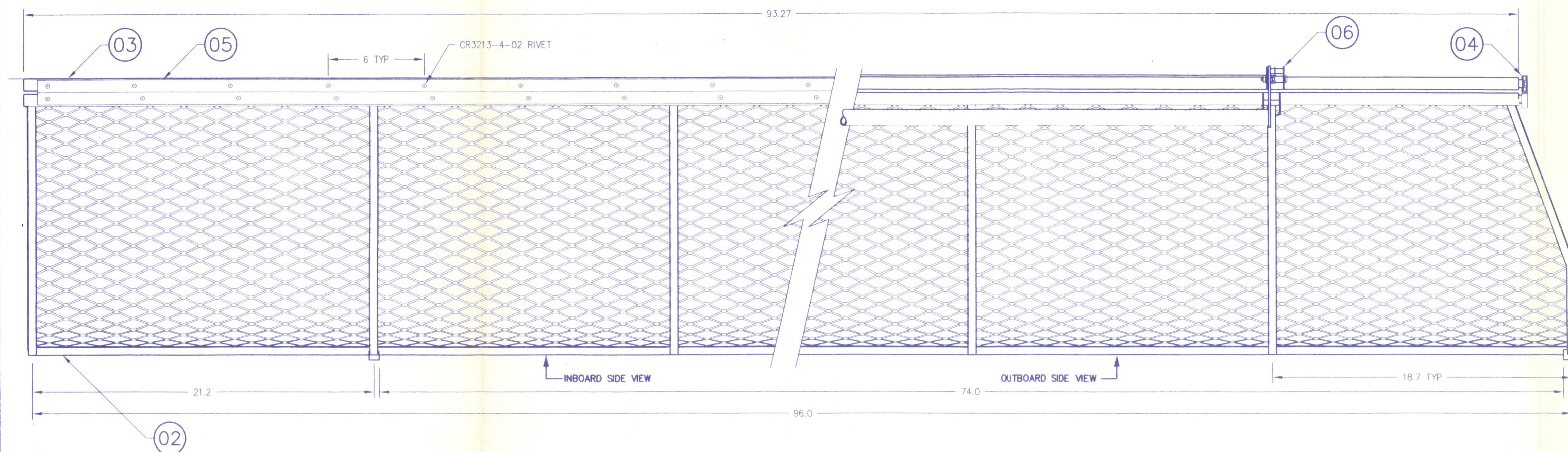
QTY	QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
2	2	49222-10	10	CAP	MILD STEEL	AISI 1010/1020	22 GAUGE
1	1	49222-09	09	STRAP	4130 STEEL COND. N	MIL-S-18729	0.125 SHEET
2	2	49222-08	08	BUSHING	MILD STEEL	AISI 1010/1020	Ø0.625 ROD
2	2	49222-07	07	BUSHING	MILD STEEL	AISI 1010/1020	Ø0.625 ROD
1	1	49222-06	06	TUBE	HSS STEEL - TYPE W	CSA G40.21	1 X 2 X 0.125 TUBE
1	1	49222-05	05	TUBE	HSS STEEL - TYPE W	CSA G40.21	1 X 2 X 0.125 TUBE
1	1	49222-04	04	TUBE	HSS STEEL - TYPE W	CSA G40.21	1 X 2 X 0.125 TUBE
1	1	49222-03	03	TUBE	HSS STEEL - TYPE W	CSA G40.21	1 X 2 X 0.125 TUBE
1	1	49222-02	02	AFT BEAM ASSEMBLY			
1	1	49222-01	01	FORWARD BEAM ASSEMBLY			

APPROVALS	DATE
DRAWN: JEFF CLARKE	10 MAY 2006
CHECKED: E. BURGOIN	

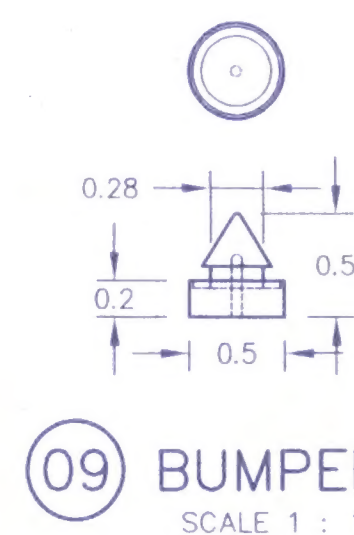
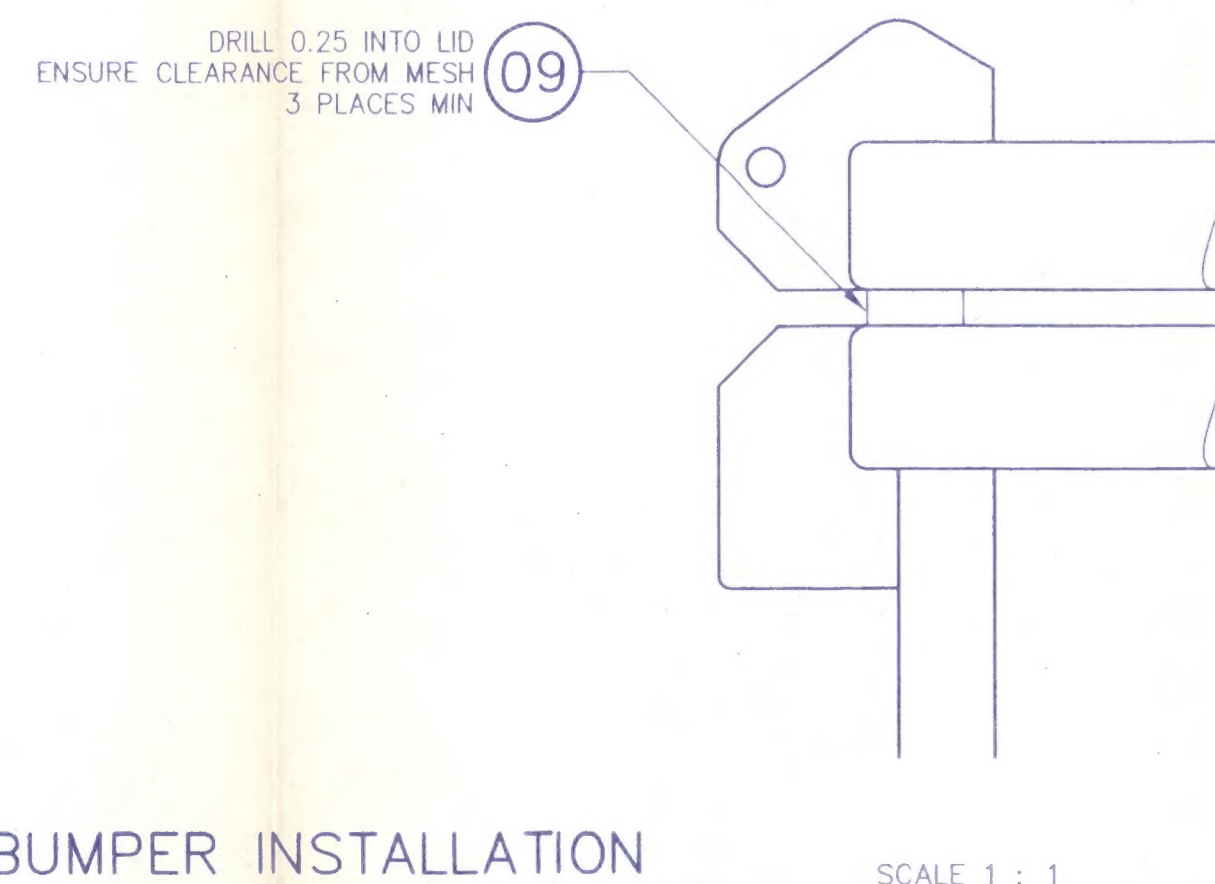
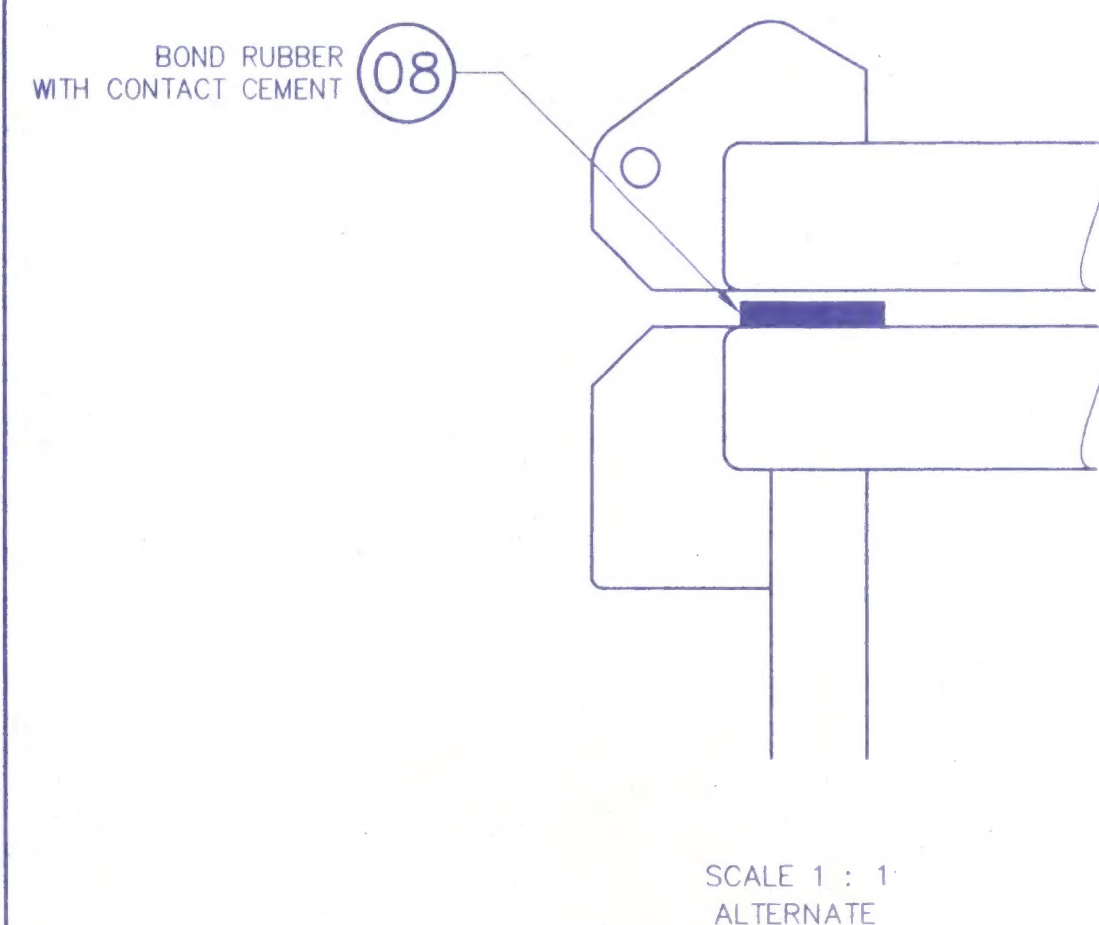
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1	
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BELL 206L / 407 SIDE MOUNTED CARGO BASKET BEAMS			
SCALE 1 : 2	DWG. SIZE	REV.	
SHEET 1 OF 1	A1	49222	1





NOTE:  
1. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS STEPS.



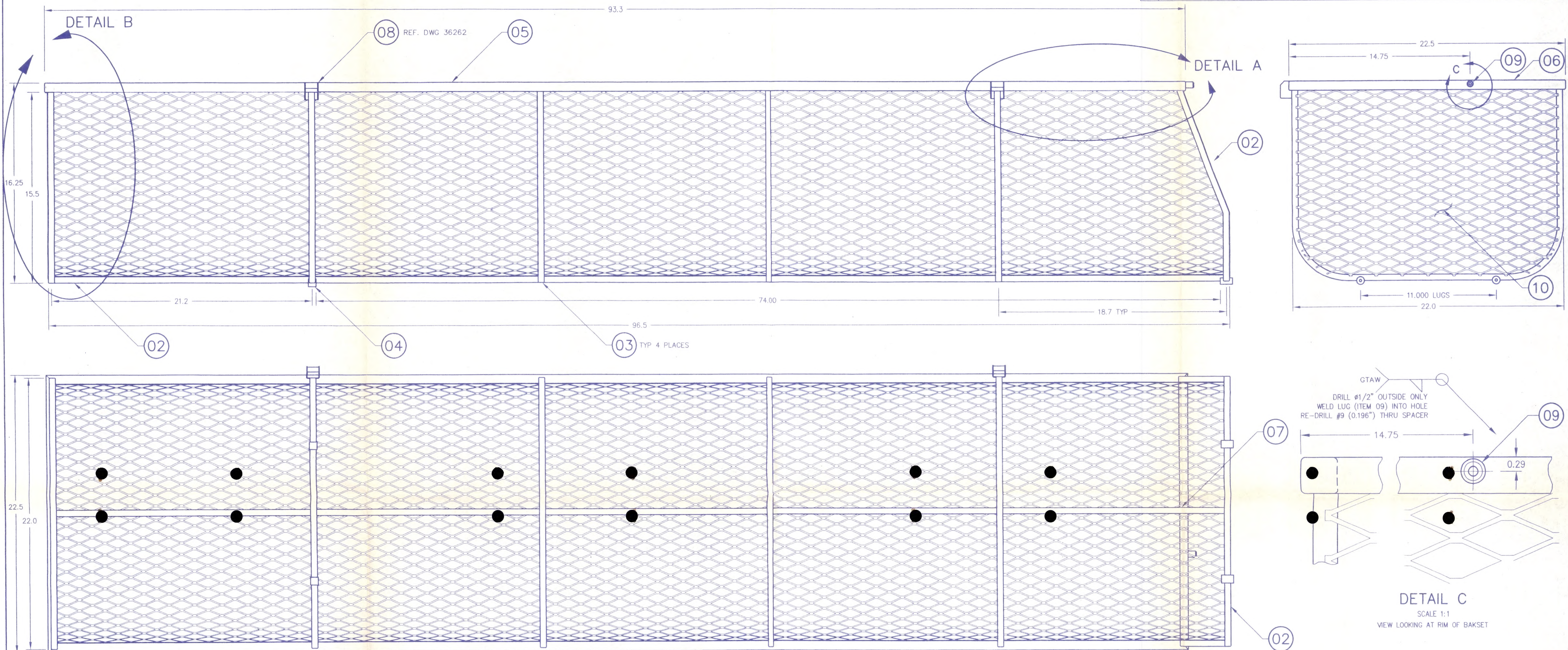
01 CARGO BASKET ASSEMBLY

2	MS21044N3	NUT		
A/R	AN960-10L	WASHER		
2	AN3-14	BOLT		
A/R	49205-14	09 BUMPER	ARGUS INDUSTRIES	
A/R	49205-13	08 PAD	NEOPRENE RUBBER	
1	49218-01	07 PLACARD		
1	36255-01	06 HANDLE BAR INSTALLATION		
1	MS20001P4	05 PIANO HINGE		
1	36256-01	04 BRACE INSTALLATION		
1	60632-01	03 LID ASSEMBLY		
1	60631-01	02 BASKET BODY ASSEMBLY		
1	60630-01	01 CARGO BASKET ASSEMBLY		
QTY.	PART NO.	ITEM	DESCRIPTION	MATERIAL

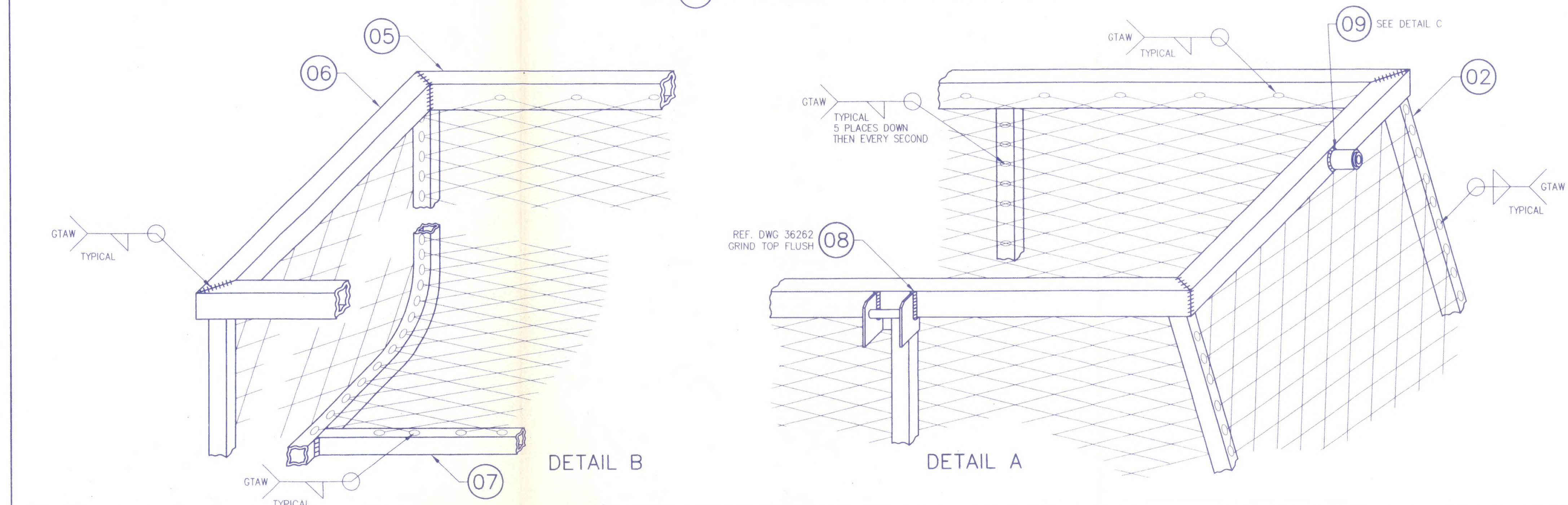
APPROVALS	DATE
DRAWN: JEFF CLARKE	11 AUG 2004
CHECKED: E. BURGAIN	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:	
DECIMALS	ANGLES
X.XXX ±0.010	±1/2°
X.XX ±0.03	
X.X ±0.1	

AERO DESIGN LTD.			
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BELL 407, 206L SERIES HIGH SIDE MOUNTED CARGO BASKET CARGO BASKET ASSEMBLY			
SCALE 1 : 4	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A1	60630	0





01 BASKET BODY ASSEMBLY

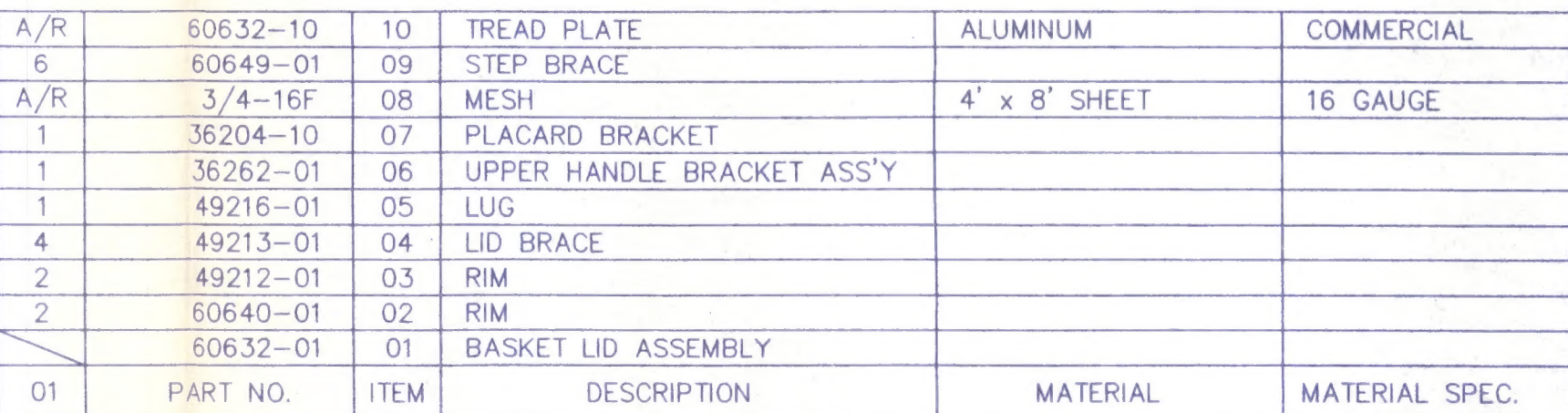
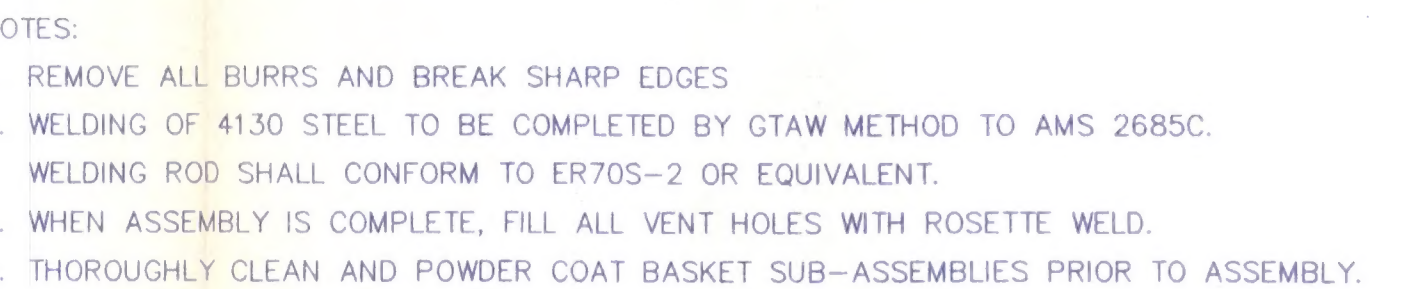


- NOTES:
1. REMOVE ALL BURRS AND BREAK SHARP EDGES
  2. WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AMS 2685C. WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT.
  3. WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD.
  4. THOROUGHLY CLEAN AND POWDER COAT BASKET SUB-ASSEMBLIES PRIOR TO ASSEMBLY.

A/R	3/4-16F	10	MESH	4' x 8' SHEET	16 GAUGE								
1	49215-01	09	LUG										
1	36262-01	08	HANDLE BRACKET ASS'Y										
5	60643-01	07	SPINE										
2	49212-01	06	RIM										
2	60640-01	05	RIM										
1	60642-01	04	ATTACHMENT HOOP										
4	60649-01	03	HOOP										
1	60641-01	02	END HOOP ASS'Y										
	60631-01	01	BASKET BODY ASSEMBLY										
01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC.								
QTY.	LIST OF MATERIALS												
APPROVALS		DATE											
DRAWN: JEFF CLARKE		12 AUG 2004											
CHECKED: E. BURGON		<div><div>AERO DESIGN LTD.</div><div>CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@telusplanet.net</div></div>											
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:													
DECIMALS: ANGLES													
X.XXX ±0.010 ±1/2"													
X.XX ±0.03													
X.X ±0.1													
		<div><div>BELL 407, 206L SERIES HIGH SIDE MOUNTED CARGO BASKET CARGO BASKET BODY ASSEMBLY</div><div><table><tr><td>SCALE 1 : 4</td><td>DWG. SIZE</td><td>DWG. NO.</td><td>REV.</td></tr><tr><td>SHEET 1 OF 1</td><td>A1</td><td>60631</td><td>0</td></tr></table></div></div>				SCALE 1 : 4	DWG. SIZE	DWG. NO.	REV.	SHEET 1 OF 1	A1	60631	0
SCALE 1 : 4	DWG. SIZE	DWG. NO.	REV.										
SHEET 1 OF 1	A1	60631	0										



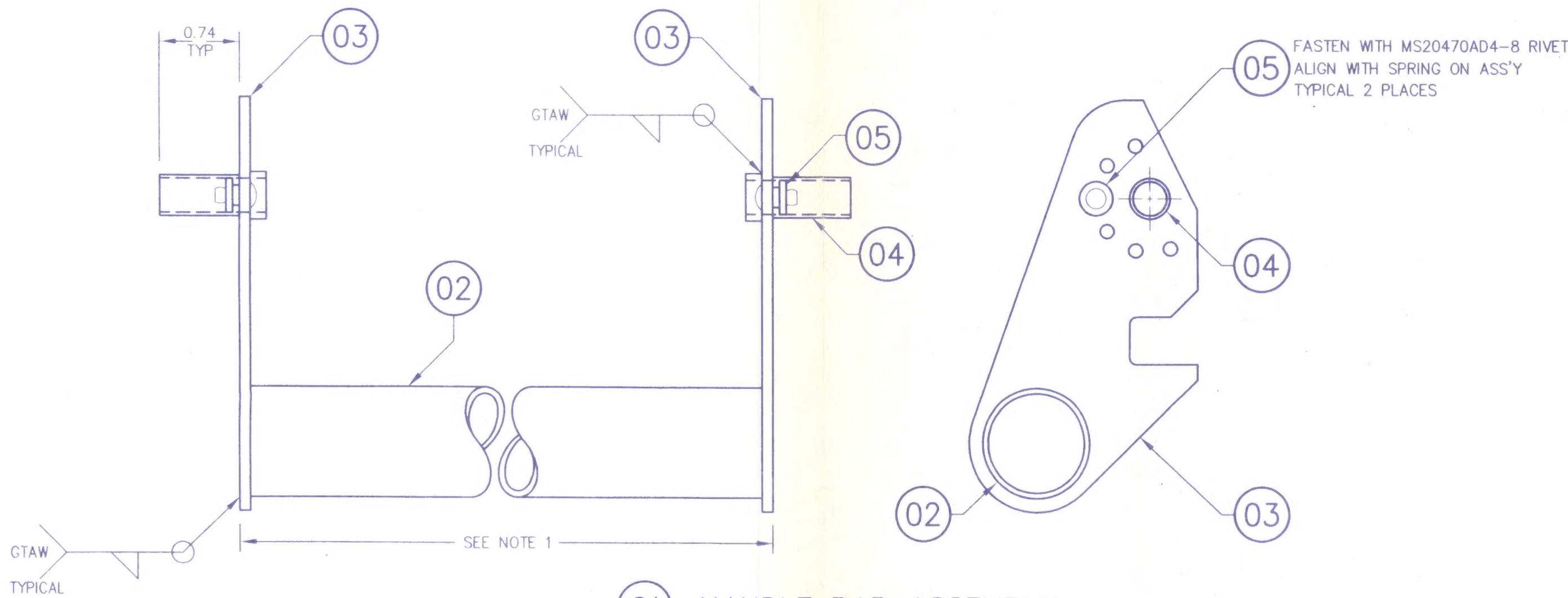
REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



QTY.		LIST OF MATERIALS			
APPROVALS		DATE		<b>AERO DESIGN LTD.</b> CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 <a href="mailto:aerodesign@telusplanet.net">aerodesign@telusplanet.net</a>	
DRAWN:	JEFF CLARKE	12 AUG 2004			
CHECKED:	E. BURGOIN				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.X ±0.03 X.X ±0.1				BELL 407, 206L SERIES HIGH SIDE MOUNTED CARGO BASKET CARGO BASKET LID ASSEMBLY	
SCALE 1 : 4		DWG. SIZE	DWG. NO.	REV.	
SHEET 1 OF 1		A1	60632	0	



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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE - CREATED FROM 36210	STF	MAR 17/03
1	LOW BASKET CONFIGURATION	STF	JUN 03/04



01 HANDLE BAR ASSEMBLY

NOTES:

1. LENGTH OF HANDLE TO BE DETERMINED AS APPROPRIATE TO BASKET TYPE.

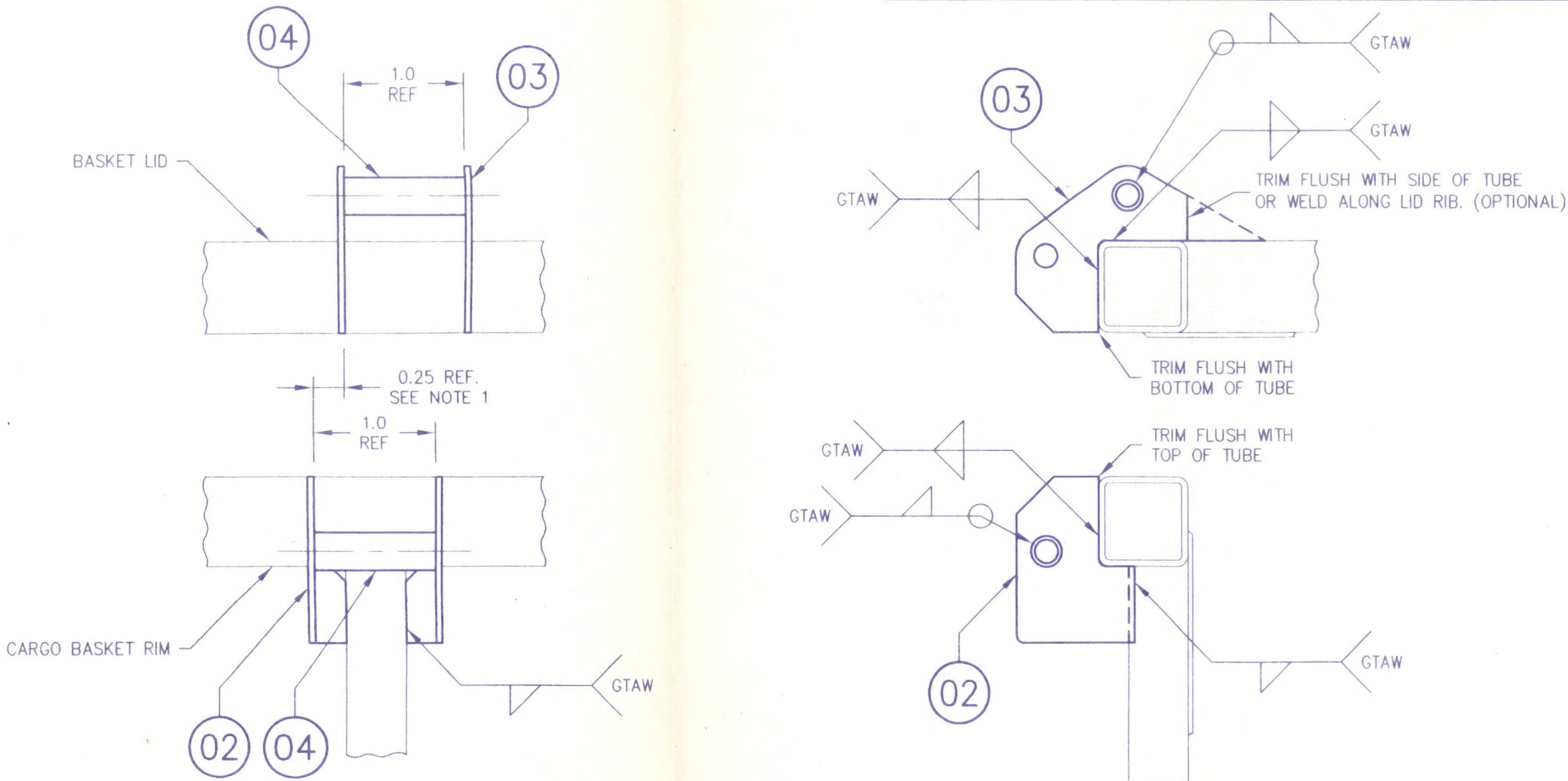
HIGH-MOUNTED BELL 407:	62.25" (REF.)
LOW-MOUNTED BELL 206L & 407:	36.50" (REF.)
BELL 206B:	16.0" (REF.)
AEROSPATIALE AS350:	56.75" (REF.)

2. REMOVE ALL BURRS AND SHARP EDGES.  
3. WELDING TO BE COMPLETED BY GTAW METHOD TO AMS2685C USING ER308L ROD.

QTY	PART NO.	ITEM	DESCRIPTION
2	36276-01	05	HOOK
2	36274-01	04	BUSHING
2	36271-01	03	LEVER
1	36277-01	02	HANDLE BAR
1	36261-01	01	HANDLE BAR ASSY

APPROVALS		DATE	AERO DESIGN LTD.			
DRAWN: STEVEN FAHEY		MAR 17/03	CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M			
CHECKED: E. BURGON		MAY 01/03	2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7			
			tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@taluplanet.net			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			HELICOPTER CARGO BASKET HANDLE BAR ASSEMBLY			
DECIMALS	ANGLES		SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
X.XXX ±0.010	±1/2°		SHEET 1 OF 1	A3	36261	1
X.XX ±0.03						
X.X ±0.1						

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE - CREATED FROM 36210	STF	MAR 17/03
1	CHANGED BUSHINGS	STF	JUN 03/04



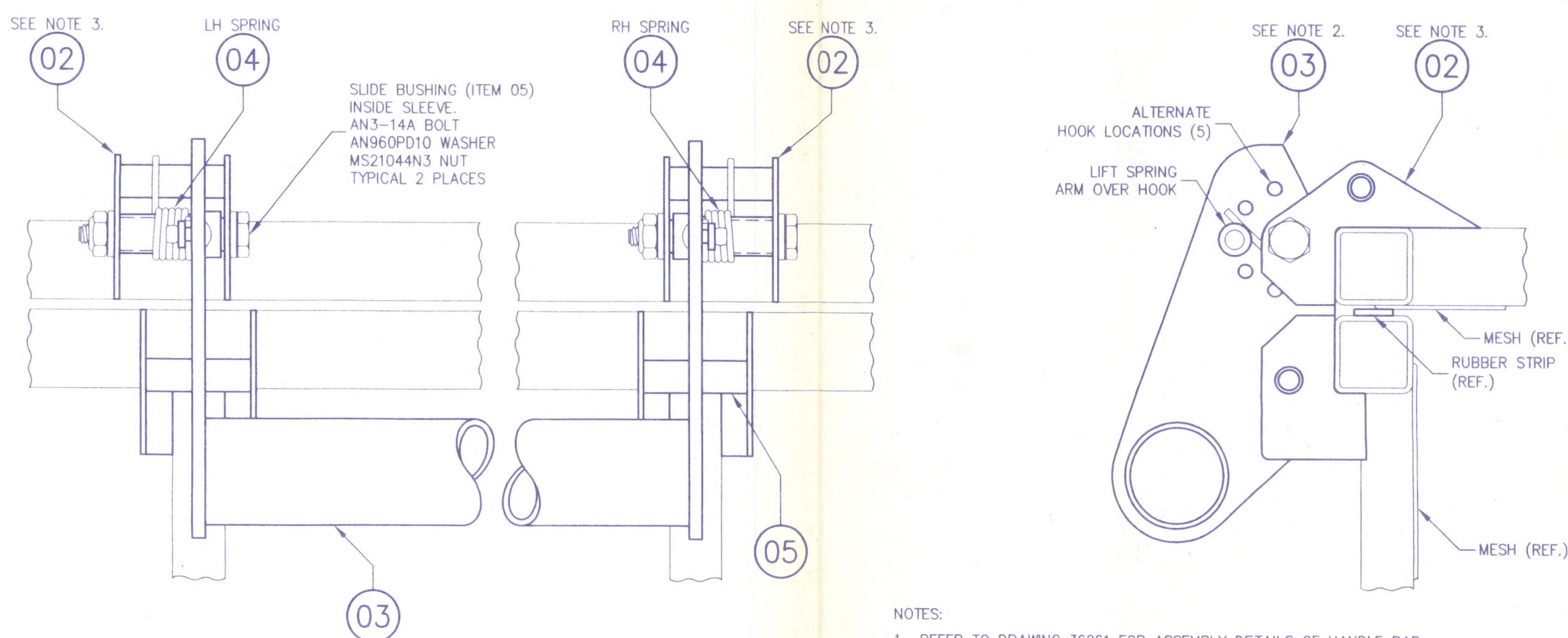
01 HANDLE BRACKET ASSEMBLY  
FORWARD END SHOWN. AFT END OPPOSITE.

- NOTES:  
1. ADJUST ON ASSEMBLY AS REQUIRED TO FIT HANDLE.  
2. REMOVE ALL BURRS AND SHARP EDGES.  
3. WELDING TO BE COMPLETED BY GTAW METHOD TO AMS2685C USING ROD CONFORMING TO AMS 6457A.

QTY	PART NO.	ITEM	DESCRIPTION
4	36275-02	04	SUPPORT
4	36273-01	03	LID BRACKET
4	36272-01	02	BASKET BRACKET
1	36262-01	01	HANDLE BRACKET ASSY

APPROVALS		DATE	AERO DESIGN LTD.			
DRAWN: STEVEN FAHEY		MAR 17/03	CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M			
CHECKED: E. BURGON		MAY 01/03	2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7			
			tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@taluplanet.net			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			HELICOPTER CARGO BASKET HANDLE BRACKET ASSEMBLY			
DECIMALS	ANGLES		SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
X.XXX ±0.010	±1/2°		SHEET 1 OF 1	A3	36262	1
X.XX ±0.03						
X.X ±0.1						

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE - CREATED FROM 36210	STF	MAR 17/03
1	CHANGED BUSHINGS	STF	JUN 03/04



01 HANDLE INSTALLATION

- NOTES:  
1. REFER TO DRAWING 36261 FOR ASSEMBLY DETAILS OF HANDLE BAR.  
2. REFER TO DRAWING 36262 FOR LOCATION OF BRACKETS.

QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL
6	AN3-14A		BOLT	
12	AN960PD10		WASHER	
6	MS21044N3		NUT	
2	36275-01	05	BUSHING	
2	36276-01	04	SPRING (1 LH, 1 RH)	
1	36261-01	03	HANDLE BAR ASSEMBLY	
2	36262-01	02	HANDLE BRACKET ASSEMBLY	
1	36255-01	01	HANDLE INSTALLATION	

APPROVALS		DATE	AERO DESIGN LTD.			
DRAWN: STEVEN FAHEY		MAR 17/03	CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M			
CHECKED: E. BURGON		MAY 01/03	2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7			
			tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@taluplanet.net			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			HELICOPTER CARGO BASKET HANDLE BAR INSTALLATION			
DECIMALS	ANGLES		SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
X.XXX ±0.010	±1/2°		SHEET 1 OF 1	A3	36255	1
X.XX ±0.03						
X.X ±0.1						